

CLAIMS

1. A shortstopping composition comprised of at least one hydrophilic shortstopping agent and at least one hydrophobic free radical shortstopping agent.

2. The composition of Claim 1 dissolved in a solvent medium.

3. The composition of Claim 2 wherein the solvent medium is water, alcohol, a common organic solvent, or mixture thereof.

4. The composition of Claim 1 wherein the ratio of the hydrophilic to hydrophobic shortstopper ranges from 95/5 to 5/95.

5. The composition of Claim 4, wherein the ratio is between 40/60 to 90/10.

6. The composition of Claim 1, wherein the hydrophobic agent is a phenol, nitroxide, and hydroxylamine compound.

7. The composition of Claim 1, wherein the hydrophobic agent is dibutylhydroxylamine (DBHA), dibenzylhydroxylamine (DbzHA), 2,2,6,6-tetramethyl-1-piperidinyloxy (TEMPO) or mixtures thereof.

8. The composition of Claim 1, wherein the hydrophilic agent is a hydroxylamine compound.

9. The composition of Claim 8, wherein the hydrophilic agent is diethylhydroxylamine (DEHA), N-isopropylhydroxylamine (NiPHA), dimethylhydroxylamine (DMHA) or mixtures thereof.

10. The composition of Claim 1 wherein the hydrophilic agent is DEHA and the hydrophobic agent is DBHA.